BRUHAT BANGALORE MAHANAGARA PALIKE
East Zone, Bangalore
MEASUREMENT SHEET
POST-MEASUREMENT

Name of Work:	Construction of compound to divison office building in ward no. 08, kodigehalli
Estimated Cost:	Rs. 25.00 Lakhs
Job Code / Indent No	008-19-000145
Head of Account:	P-1771
Name of Agency:	N. Sivakumar, Bangalore
PMC:	-
Amount put to Tender:	Rs. 2169932.72
Amount Tender Price:	Rs. 2061424.39
Percentage:	5.00 % Below
Ref:	BBMP/EE/BTP/WO/199/2019-20 dtd 12.02.2020
Period of Completion:	60 days

Measurement Recorded On: 05-09-2020.

Sl. No	Description	Unit	No.	L	B1	B2	D	Qty	Rate	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications									
	Quantity vide Pre measurement recorded in E-MB in page No. 1									
		cum					Total	470.24		
		cum					Lim to	468.43	460.67	215791.64
19	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading.									
	Quantity vide Pre measurement recorded in E-MB in page No. 2									
							Total	399.70		
							Lim to	398.17	83.18	33119.78
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs using 40mm and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.									
	Quantity vide Pre measurement recorded in E-MB in page No. 3									
		Cum					Total	24.42		
		Cum					Lim to	22.05	5234.65	115424.03
3	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1: 6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications									
	Quantity vide Pre measurement recorded in E-MB in page No. 4									

Contractor

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division, BBMP

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Sl. No	Description	Unit	No.	L	B1	B2	D	Qty	Rate	Amount
		Cum					Total	52.09		
		Cum					Lim to	51.77	4715.49	244120.91
4	Providing and constructing granite / trap / basalt size stone masonry in basement cement mortar 1: 6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications									
	Quantity vide Pre measurement recorded in E-MB in page No. 5									
		Cum					Total	15.61		
		Cum					Lim to	15.52	5625.55	87308.53
5	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.									
	Quantity vide Pre measurement recorded in E-MB in page No. 6									
		Sqm					Total	69.48		
		Sqm					Lim to	69.03	145.69	10056.98
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement at 240 kg, with 20mm and down size graded granite metal coarse aggregate at 0.69 cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted for coping including cost of all materials, labour, HOM of machinery, curing, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.									
	Quantity vide Pre measurement recorded in E-MB in page No. 7									
		Cum					Total	6.72		
		Cum					Lim to	6.69	6202.17	41492.51
15	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.									
	Quantity vide Pre measurement recorded in E-MB in page No. 8									
	Total						Total	256.68		
							Lim to	255.60	360.50	92143.80
17	KSRB 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications									
	Quantity vide Pre measurement recorded in E-MB in page No. 9									
	Total	kg					Total	1.49		
							Lim to	1.404	71492.97	100376.12
								1.404		

Contractor

Assistant Engineer
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25/3

Assistant Executive Engineer
Kodigehalli Sub Division, BBMP

Assistant Executive Engineer,
Kodigehalli Sub Division,
Dasarahanka Zone, B.B.M.P.,
Bangalore.

Sl. No	Description	Unit	No.	L	B1	B2	D	Qty	Rate	Amount
16	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams.									
	qty vide joint measurement recorded in R-19D in page 5									
	RCC drain									
	bottom portion									
	6th main balaji layout	cum	1	30.00	0.90		0.15	4.05		
	continued	cum	1	17.00	0.90		0.15	2.29		
	right side	cum	1	24.30	0.90		0.15	3.28		
	Side walls	cum						0.00		
	6th main balaji layout	cum	2	30.00	0.15		0.90	8.10		
	continued	cum	2	17.00	0.15		0.90	4.59		
	right side	cum	2	24.30	0.15		0.90	6.56		
							Total	28.87		
							Lim to	28.75	5482.10	157610.37
18	Providing and laying in position reinforced cement concrete M20 mix with stone aggregates 20mm and downsize for slab (including steel reinforcement) including centering and shuttering, maching mixed, concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour, HOM of machineries, curing complete as per specifications. - 100 mm thick (Approved data rate enclosed)									
	6th main balaji layout	Sqm	1	30.00	0.90			27.00		
	continued	Sqm	1	17.00	0.90			15.30		
	right side	Sqm	1	24.30	0.90			21.87		
		Sqm					Total	64.17		
							Lim to	63.90	1995.00	127480.50
7	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications									
	Compound wall division office	Sqm	1	30.00			1.65	49.50		
		Sqm	1	13.00			1.65	21.45		
		Sqm	1	17.80			1.65	29.37		
		Sqm	1	2.90			1.65	4.78		
		Sqm	1	13.50			1.65	22.27		
		Sqm	1	16.00			1.65	26.40		
	Intermediate column walls	Sqm	26	0.40			1.65	17.16		
							Total	170.93		
							Lim to	169.81	987.01	167604.16
8	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications									

Contractor

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Bangalore

Sl. No	Description	Unit	No.	L	B1	B2	D	Qty	Rate	Amount
	for gates	sqm	3	3.00			2.10	18.90		
		sqm						18.90		
		No.			21.00		Total	397.00		
							Lim to	396.90	97.47	38685.84
9	Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.									
	Compound wall division office	Sqm	2	30.00			1.65	99.00		
		Sqm	2	13.00			1.65	42.90		
		Sqm	2	17.80			1.65	58.74		
		Sqm	2	2.90			1.65	9.57		
		Sqm	2	13.50			1.65	44.55		
		Sqm	2	16.00			1.65	52.80		
	Intermediate column walls	Sqm	52	0.40			1.65	34.32		
							Total	341.88		
							Lim to	313.85	198.01	62145.43
10	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer									
	Qty vide item no. 9	Sqm						341.88		
							Total	341.88		
							Lim to	313.85	104.65	32844.40
11	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.									
	rammandir road	Sqm	2	30.00	0.60			36.00		
	office premises	Sqm	1	25.00	4.50			112.50		
							Total	148.50		
							Lim to	148.00	1138.86	168551.28
12	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.									
	Adjacent 60 feet road	Rm	3	24.60				73.80		
	Horizontal bars	Rm	3	25.60				76.80		
		Rm	3	28.00				84.00		

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Sl. No	Description	Unit	No.	L	B1	B2	D	Qty	Rate	Amount
		Rm	3	25.60				76.80		
		Rm	3	15.00				45.00		
							Total	356.40		
							Lim to	353.40	418.60	147933.24
13	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)									
	Vertical bars	Rm	39	1.50				58.50		
	Adjacent 60 feet road	Rm	13	1.50				19.50		
		Rm	8	1.50				12.00		
							Total	90.00		
							Lim to	86.40	881.33	76146.91
14	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint									
	Chainlink	Sqm	1	24.60			1.50	36.90		
		Sqm	1	25.60			1.50	38.40		
		Sqm	1	28.00			1.50	42.00		
		Sqm	1	25.60			1.50	38.40		
		Sqm	1	15.00			1.50	22.50		
		Sqm	1	11.00			1.50	16.50		
							Total	194.70		
							Lim to	194.37	733.59	142587.88
	Sub Total-1									**2061424.31**
	Add GST charges @ 12%									247370.91
	Total Rs									**2308795.22**

Contractor

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